

Product datasheet for RC206482

CEND1 (NM 016564) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CEND1 (NM 016564) Human Tagged ORF Clone

Tag: Myc-DDK

CEND1 Symbol: **BM88**

Synonyms: **Mammalian Cell**

Selection:

Neomycin

Vector: pCMV6-Entry (PS100001) E. coli Selection: Kanamycin (25 ug/mL) **ORF Nucleotide** >RC206482 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s) Sequence:

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGAGTCCAGAGGGAAGTCAGCCAGCAGCCCCAAGCCCGACACCAAGGTGCCCCAGGTCACCACCGAGG CCAAGGTACCCCGGCAGCCGATGGGAAAGCCCCCTTGACCAAGCCCTCGAAGAAGGAGGCCCCGGCCGA GAAGCAGCAGCCGCCAGCAGCCCCCACCACGGCACCTGCCAAGAAGACCTCGGCCAAGGCCGACCCTGCC CTTCTCAACAACCACAGCAACCTGAAGCCAGCCCCCACGGTCCCCAGCAGTCCCGATGCAACCCCGGAGC CCAAGGGTCCTGGGGACGGGGGGGAGAAGATGAGGCTGCCAGTGGGGGGCCTGGGGGCCCGAGGTCCCTG GTCCTGTGAGAACTTCAACCCCCTGCTGGTGGCTGGGGGTGTGGCCGTGGCAGCCATAGCCCTGATTCTC GGTGTGGCCTTCCTGGTCCGGAAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

>RC206482 protein sequence **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MESRGKSASSPKPDTKVPQVTTEAKVPPAADGKAPLTKPSKKEAPAEKQQPPAAPTTAPAKKTSAKADPA LLNNHSNLKPAPTVPSSPDATPEPKGPGDGAEEDEAASGGPGGRGPWSCENFNPLLVAGGVAVAAIALIL

GVAFLVRKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

https://cdn.origene.com/chromatograms/mk6016 h11.zip **Chromatograms:**



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

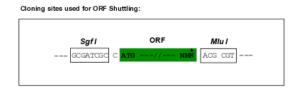
CN: techsupport@origene.cn

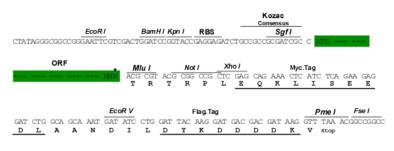
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_016564

ORF Size: 447 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

- 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
- 3. Close the tube and incubate for 10 minutes at room temperature.
- 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 016564.4</u>

RefSeq Size: 1646 bp
RefSeq ORF: 450 bp
Locus ID: 51286



 UniProt ID:
 Q8N111

 Cytogenetics:
 11p15.5

Protein Families: Transmembrane

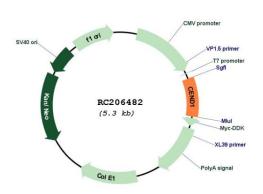
MW: 15 kDa

Gene Summary: The protein encoded by this gene is a neuron-specific protein. The similar protein in pig

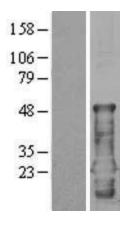
enhances neuroblastoma cell differentiation in vitro and may be involved in neuronal differentiation in vivo. Multiple pseudogenes have been reported for this gene. [provided by

RefSeq, Jul 2008]

Product images:

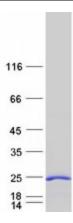


Circular map for RC206482



Western blot validation of overexpression lysate (Cat# [LY402575]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206482 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).





Coomassie blue staining of purified CEND1 protein (Cat# [TP306482]). The protein was produced from HEK293T cells transfected with CEND1 cDNA clone (Cat# RC206482) using MegaTran 2.0 (Cat# [TT210002]).